

DERWENT-ACC-NO: 1975-70093W  
DERWENT-WEEK: 197542  
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TITLE: Granular nitrogen-phosphorus fertiliser prodn -  
from melt of urea and  
ammonium phosphate added at high temp  
PATENT-ASSIGNEE: SARBAEV A N[SARBI]  
PRIORITY-DATA: 1969SU-1334238 (May 26, 1969)  
PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
SU 304824 A	December 15, 1974	N/A
000	N/A	

INT=CL (IPC): C05C001/02

ABSTRACTED-PUB-NO: SU 304824A

BASIC-ABSTRACT: The ammonium phosphate is added to the melt  
at 130 degrees C.

This increases the propn. of assimilable nitrogen in the  
fertiliser produced.

In an example molten ammonium phosphate (57.5 pbw) is mixed  
in over 1 min. to a

melt of 99.5%-urea (122.4pbw) cooled from 135 degrees C to  
130 degrees C. The

melt is granulated and the prodn. has a N content of 36.4%  
and a P2O5 content  
of 18.5%.

DERWENT-CLASS: C04

CPI-CODES: C05-B02A4; C10-A13C; C12-M11; C12-N09; C12-N10

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Basic Abstract Text - ABTX:

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degrees C. The melt is  
granulated and the prodn. has a N content of 36.4% and a  
P2O5 content of

*fat  
reduced*

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